Electronic Yarn Meter

User Manual
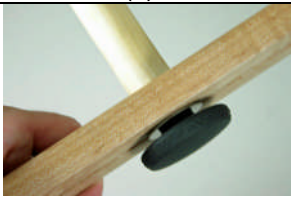
Thank you for purchasing our state-of-the-art Electronic Yarn Meter™. We believe that this unit is the best system with which to measure yarn that is available today (and probably for a long time to come).

This User Manual will describe the unit's basic functions and features and help you to get the best performance and use from the meter. Please review this manual and the video that accompanied it. Only then will you fully understand what the meter can do. Note: throughout this manual, we will refer to the Electronic Yarn Meter as the "EYM".
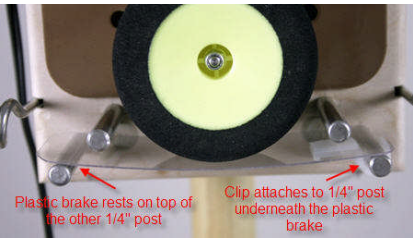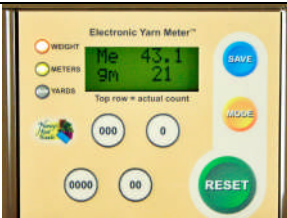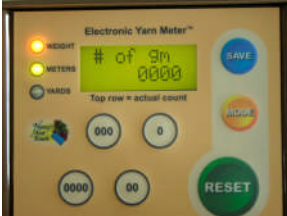
Assembly and Construction - the EYM is available in 3 different models:
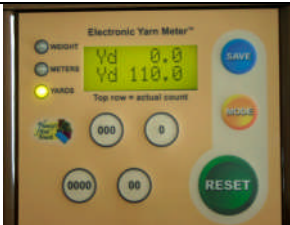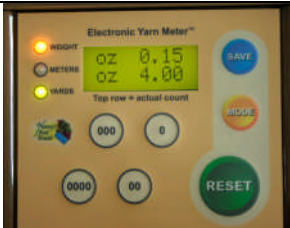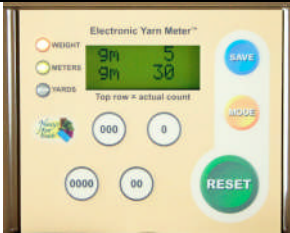
1. Standard – for basic use and for use with a plastic ball winder
2. HDBW – for use with the NKK Heavy Duty Ball Winder
3. Power Base – for use with the NKK Power Base and Heavy Duty Ball Winder
4. All 3 models use the same EYM module (electronics and meter housing).

Assemble the EYM stand, install brake and cable(s)		
Knob & washers for post	Install washers on both sides of mounting rail with knob.	Always use both clamps
Install EYM Module on post. Adjust height of EYM Module on post.	Install brake. Install the standard brake (no black X on back of clip). Use stiffer X brake for special hard to brake cases only.	Plastic brake rests on top of the other 1/4" post Clip attaches to 1/4" post underneath the plastic brake Always mount brake with clip closest to the point of yarn entry.
Plug in AC adaptor into EYM.	Plug in Power Base cable. Only use the accessory cable if Power Base does not respond to Stop commands from EYM.	Standard Power Base connection (if PB responds to Stop commands from EYM, acc. cable not reqd).

Operational Overview and Instructions (view DVD and website for more information)

Mode & Preset	Task	Depress Button	LEDs Lit	LCD Display
1	**Measure Yards (length)** – this is the default mode. Just load your yarn, press the RESET once prior to running job.	None	Yards	
2	**Measure Meters (length)** – Press the Mode button once to get to Meters. Load your yarn and press the RESET button prior to running job.	Mode once	Meters	
3	**Measure Yards and Ounces (weight)** – Press Mode button twice. Menu will ask you to enter the number of YARDS and OUNCES from the yarn label. After each entry press the SAVE button once. <u>NOTE: in OUNCES Weight Mode, the Decade buttons have a unique meaning as follows</u>: -Use 0000 button to enter tens data -Use 000 button to enter units (ones) data -Use 00 button to enter tenths data -Use 0 button to enter hundredths data After both numbers have been entered, you can load your yarn, and press the RESET prior to running job. The measurement will then display the number of YARDS and equivalent OUNCES as the yarn is measured.	Mode twice	Yards Weight	
4	**Measure Meters and Grams (weight)** - Press Mode button three times. Menu will ask you to enter the number of METERS and GRAMS from the yarn label. After each entry press the SAVE button once. After both numbers have been entered, you can load your yarn, and press the RESET prior to running job. The measurement will then display the number of METERS and GRAMS as the yarn is measured.	Mode three times	Meters Weight	
1 Preset	**Measure Yards up to a Preset Qty (length)** – This starts with the default mode (Yards). Simply enter a Preset	None	Yards	

	number that you want to measure by pressing the decade buttons (0000, 000, 00, 0) and then the SAVE button. Press the RESET button once to ensure that your actual count is zero. Pull yarn through the meter and when your Preset qty is reached, a tone will sound and the NKK Power Base will stop (if connected).*			
2 Preset	**Measure Meters up to a Preset Qty (length)** – Press the MODE button once to get to Meters. Then enter a Preset number that you want to measure by pressing the decade buttons (0000, 000, 00, 0) and then the SAVE button. Press the RESET button once to ensure that your actual count is zero. Start pulling yarn through the meter and when your Preset qty is reached, a tone will sound and the NKK Power Base will stop (if connected).*	Mode once	Meters	
3 Preset	**Measure Ounces up to a Preset Qty (weight)** – Press Mode button twice. Menu will ask you to enter the number of YARDS and OUNCES from the yarn label. After each entry press the SAVE button once. After both length and weight data have been entered, you then enter the Preset qty. that you wish to measure up to in OUNCES by pressing the decade buttons (0000, 000, 00, 0). <u>NOTE: in OUNCES Weight Mode, the Decade buttons have a unique meaning as follows</u>: -Use 0000 button to enter tens data -Use 000 button to enter units (ones) data -Use 00 button to enter tenths data -Use 0 button to enter hundredths data Then press the SAVE button. Load your yarn and press the RESET prior to running job. The measurement will then display the number of Ounces actually counted in top row of display and the Preset qty in the bottom row. When the Preset number has been reached a tone will sound and the NKK Power Base with turn off (if connected)*	Mode twice	Yards Weight	
4 Preset	**Measure Grams up to a Preset Qty (weight)** – Press Mode button three times. Menu will ask you to enter the number of METERS and GRAMS from the yarn label. After each entry press the SAVE button once. After both length and weight data have been entered, you then	Mode four times	Meters Weight	

	enter the Preset qty. that you wish to measure up to in GRAMS by pressing the decade buttons (0000, 000, 00, 0). Then press the SAVE button. Load your yarn and press the RESET prior to running job. The measurement will then display the number of GRAMS actually counted in top row of display and the Preset qty in the bottom row. When the Preset number has been reached a tone will sound and the NKK Power Base with turn off (if connected)*			

Important Information

1. To clear actual data, press RESET once
2. To clear a Preset qty in any mode, press the RESET button twice.
3. SLEEP Mode – the unit goes into SLEEP mode after 5 minutes of inactivity. Just press the RESET button ONCE to bring it out of SLEEP mode. Your last data will still be displayed unless you press the RESET button a second time. When in SLEEP mode, the display, LEDs and the encoder turn off.
4. Master Reset – press the Save and Reset buttons simultaneously to reset all data (or remove the power plug and re-insert it).
5. Mode Switch – when changing modes, all data is lost from the current mode. There are 4 Modes: Yards. Meters, Yards and Ounces, Meters and Grams. All modes can have a Preset mode also.
6. Power – you may leave the unit on all of the time (there is no on/off button) and it will go into SLEEP mode when not being used. For periods longer than a few days, disconnect the power cord.
7. Wheel Changing – after the EYM is used extensively over a long period of time, you may have to change the wheel as it will show signs of wear on its foam covered surface. Please purchase a replacement wheel only from Nancy's Knit Knacks.
8. Wheel Change Tool Kit – a tool kit is available from Nancy's Knit Knacks consisting of a 5.5mm nut driver (required to remove the wheel nut) and a 1/16" x 3" long Allen wrench (required to hold the wheel shaft stationary while changing the wheel).
9. Brake use – the EYM may be used either with or without the brake installed. The EYM may record unintentional additional length at the end of a measurement if the brake is not installed. However, without the brake installed, there will be less drag on the system used to pull the yarn through the EYM (ball winder, motorized ball winder, etc.). We recommend using the brake 100% of the time because it stops the wheel (measurement) when the yarn finishes passing through.
10. Yarn Path – we recommend installing the yarn over the top of the wheel most of the time because it gives you the best length accuracy. However, you can also install yarn horizontally when you need to increase the control over the yarn's behavior.
11. If you experience yarn control issues where the yarn misbehaves when going through the meter, try reducing your speed and use the horizontal mounting method.
12. Meter accuracy (under perfect conditions) should exceed 99%.

Warranty – The EYM is covered by a domestic USA 1 year commercial use limited warranty – NKK will repair or replace any part of the unit (except brakes and wheels) that fail during the one year period. Buyer must return the unit freight prepaid to NKK and NKK will return the repaired or replaced unit freight prepaid to Buyer. Buyer must secure a return authorization from NKK before returning unit. Measurement accuracy is not warranted because it is subject to many factors outside the control of NKK and this meter.

Update

Here are a couple of last minute updates for EYM owners

Brakes

Included with your order are 2 Brakes for the EYM (small rectangular plastic pieces with mounting clips). We also have more rigid brakes if needed. However, these brakes should meet most users' needs. Please let us know if you experience any problems in using the brake (either not braking when required or causing any other issue).

Tools

We do not bundle the 5.5mm Nut driver or 1/16" Allen Wrench with the EYM because experience tells us that they will get lost if they are not being used. You will not need these for some time (only needed when changing wheels), however, <u>we will give you a free set of tools if you provide written feedback to us on the EYM operation after 30 days of use</u> (limit 1 free set per customer).

Horizontal versus Vertical mounting

In our DVD we discuss both methods for mounting your yarn on the EYM. However, we strongly recommend that you use the vertical method (i.e. up over the top of the wheel) versus the horizontal method. We believe that the vertical system is more accurate and less problematic. But feel free to try both methods out and use the one that works most reliably and accurately for you.

Vertical mounting   Horizontal mounting

Twisty Tie – we installed a new twisty tie to hold your cables back on the rear of the EYM Module. Insert cables and twist the legs of the part together to securely keep the cables out of the way.

EYM Customers

Thanks again for purchasing our Electronic Yarn Meter. As certain as we are that this meter will do an excellent job for you, we also realize that we should constantly seek to improve the design. That is where you come in. Please report any wish list items that you have after using the EYM for a while and by all means, please report any problems that you discover. We want to ensure that our products both meet and exceed our customers' expectations.

Thanks!   Nancy's Knit Knacks LLC   800-731-5648   info@nancysknitknacks.com